

**Self-leveling cement-based patching mortar, polymer modified, with the addition of plastic fibers,
with a maximum coating thickness of 10 mm.**

Product description	Ready to use, cement-based, polymer modified, mineral patching mortar, with the addition of plastic fibers.		
Scope of application	<ul style="list-style-type: none">• Shotcrete concrete retouch,• for filling concrete surfaces of all types, i.e., for bridges, viaducts, sewage treatment plants, car parks walls, etc.,• for repair of surfaces subjected to sulfate corrosion,• for filling cavities of from 2 to 10 mm,• for ceiling surfaces and wall systems,		
Properties	<ul style="list-style-type: none">• one-component,• does not contain chlorides,• frost-resistant,• very good adhesion to concrete,• high sulphate corrosion resistance,• very good adhesion to mineral substrates,• high resistance to carbonation,		
Characteristics of the product			
Appearance	Gray powder		
Packaging	25 kg paper bag, reinforced with polyethylene foil; single pallet: 42 x 25 kg = 1050 kg per euro pallet.		
Shelf life	9 months from date of manufacture, assuming storage in undamaged original packaging.		
Storage conditions	Store the product in a dry, cool place, avoid direct sunlight.		
Technical data			
Adhesion to the substrate according to PN-EN 1542	≥ 1.5 MPa		
Bending and compression strength according to PN-EN 13892-2:2004		Compression strength [MPa]	Bending strength [MPa]
	3 days	≥ 15	≥ 4.5
	7 days	≥ 25	≥ 5.5
	28 days	≥ 40	≥ 7.0
Application			
Consumption	Estimated consumption of the preparation: <ul style="list-style-type: none">• approx. 19 kg/m² with the coating thickness of 10 mm.		
Substrate preparation	The concrete substrate, on which the laying of a set of SCW 10 material is allowed, should meet the following requirements: <ul style="list-style-type: none">• in terms of strength – the average strength of the substrate tested using “pull-off” method should be at least 1.5 MPa, and the value of a single measurement should not be less than 1.0 MPa,• in terms of purity – the concrete surface should be free of cement paste, loose faction, dust, oil stains, grease and other contaminants that can reduce its adhesion,• in terms of roughness – the substrate should be roughened,• in terms of humidity – the concrete surface should be matt and damp (uniformly dark, matt, devoid of bright and dark spots, and standing water).		
Mixing ratio	Approx. 18% of water; i.e., approx. 4.5 liters per 25 kg of dry blend.		
Mixing method	Pour approx. 2/3 of water into a container, and then pour the bag contents. After a short mixing refill the remainder water, then mix until the desired consistency is obtained. SICON SCW 10 must be mixed in a concrete countertop mixer, or a counter-stirrer. Stirring time: approx. 4 - 6 minutes. The equipment used for SICON SCW 10 mortar should be cleaned with water.		
Application	SICON SCW 10 mortar may be applied manually with a trowel, plastering trowel or using spray method. In case of spray application use PFT G4 type or Putzmeister MP 25 devices. Thicknesses of the applied coatings: from 2 to 10 mm.		
Curing	Freshly treated surfaces should be protected from drying out too quickly. It is recommended to use a preparation for surface protection.		
Application conditions			
Ambient temperature	<ul style="list-style-type: none">• minimum +5°C, maximum +30°C,• recommended application conditions: temperature approx. +20°C, relative humidity of air approx. 50 %.		
Material processing time	Material processing time: <ul style="list-style-type: none">• is approx. 45 minutes at +23°C,• with the relative humiditv of air – higher humiditv increases the processing time.		

Comments and recommendations	
Health and safety conditions	The main component of the preparation is cement; therefore use personal protective equipment, the same as when working with cement, i.e., gloves and goggles, when handled. Detailed guidance on safety, health and hazardous properties of the material are included in the Material Safety Data Sheet - supplied by the manufacturer upon request. Disposal of empty packaging lies with the end user and should be carried out in accordance with applicable regulations.
Legal notices	<p>These instructions has been drawn up according to the current state of the art and experience in the application of the product, they refer to the products stored in accordance with the specified instructions. The product documentation provides for general information applicable under certain conditions. It is recommended that before using the product on a large scale, the purchaser tests it under specific construction environment conditions. The supplier has no control over the use, methods of application and execution conditions occurring at the construction site, and therefore no responsibility of the supplier for the final effect of the application may arise from these instructions. Recommendations of Sicon partners that differ from the information included in the Safety Data Sheet shall apply only in the case of their written confirmation.</p> <p>Date of issue: 01/2016</p> <p>All previously issued Sicon SCW 10 safety data sheets shall expire on the date of issue of this sheet.</p>